



U.S. DEPARTMENT OF  
**ENERGY**

**Nuclear Energy**

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# **Grand Challenge Problem for Nuclear Energy**

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## IRP Scope

- **We are issuing a pre-announcement for IRP proposals to be sought through an Amendment to the FOA.**
  - The Amendment is planned to be issued in December 2016.
  
- **The December 2016 call for IRP proposals would seek projects that propose solutions to a Grand Challenge Problem (to be identified by the proposing team; examples would be provided) that makes use of Nuclear Energy more attractive and supports education, development and training in multiple technical disciplines associated with the use of nuclear energy. Significant international collaboration would be highly encouraged or required.**

## Current IRP Vision

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- **Solve a significant problem which presents a grand challenge to making use of nuclear energy more attractive.**
  
  - **Support at least one U.S. faculty member and 10 U.S. students in multiple technical disciplines associated with the use of nuclear energy**
    - All U.S. funds provided must be used to support faculty and students at U.S. educational institutions.
  
  - **Involve significant collaboration with one or two international educational institutions from countries who are members of the OECD/NEA.**
    - It is envisioned that the international educational institutions will receive financial support from their own country working with the OECD/NEA